

Application No. 10/036,469

IN THE CLAIMS:

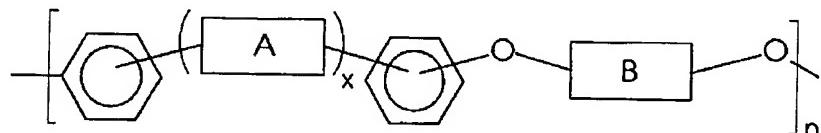
Please substitute amended claims 16 and 57 to 71 for pending claims 16 and 57 to 71 as follows:

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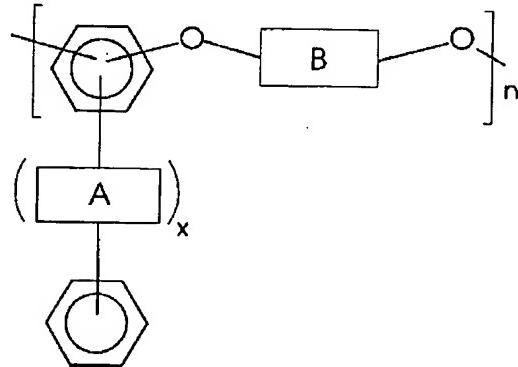
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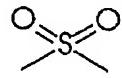
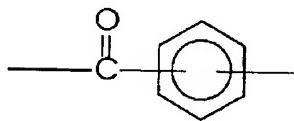
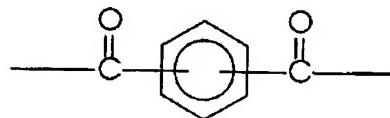
16. (Twice Amended) A composition which comprises a crosslinked or chain extended polymer of the formula



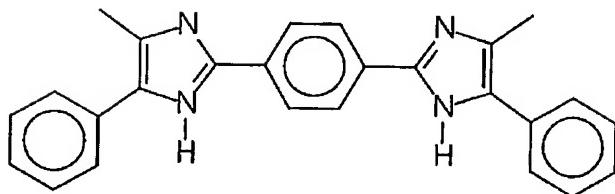
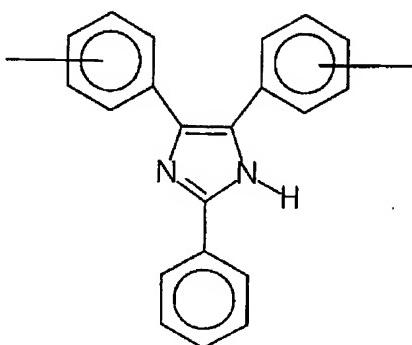
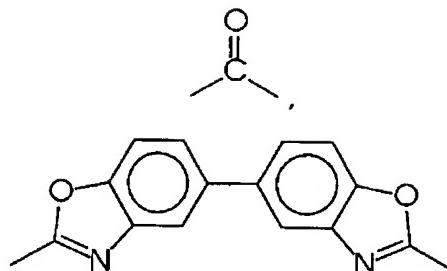
or



wherein x is an integer of 0 or 1, A is



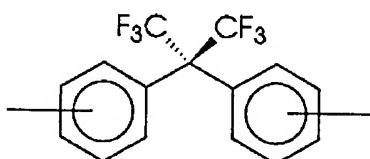
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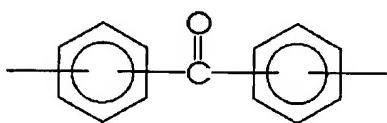
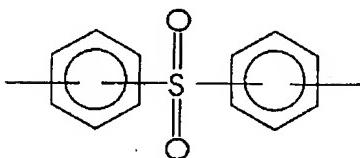
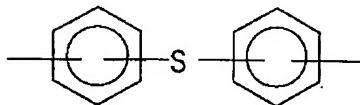
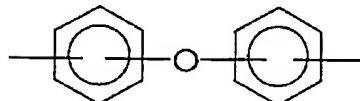
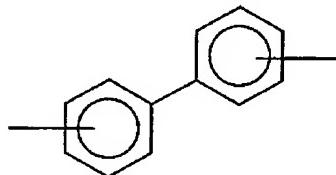
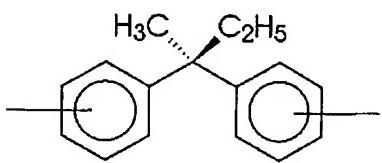
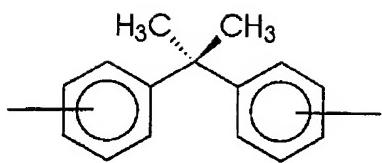
-O-,

-C(CH₃)₂-,

or mixtures thereof, B is

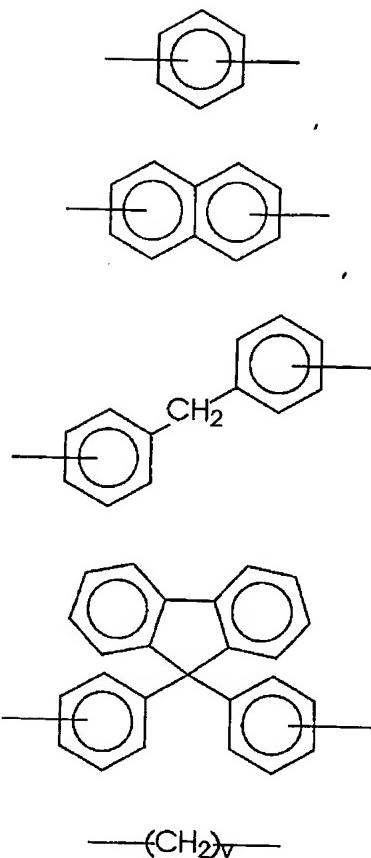


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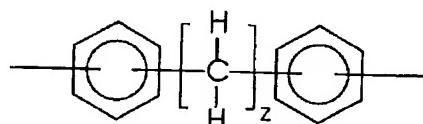


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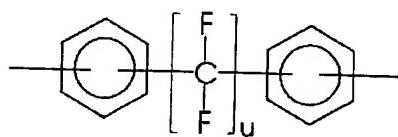
C
C



wherein v is an integer of from 1 to about 20,

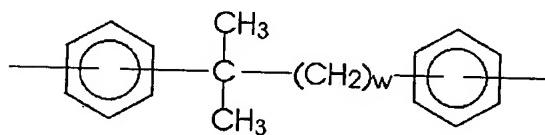
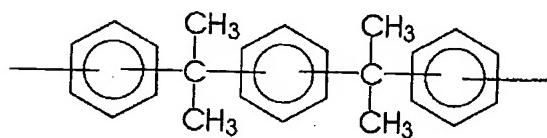
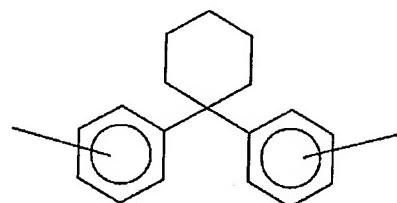
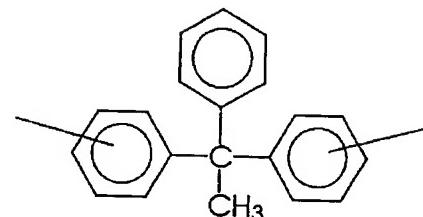


wherein z is an integer of from 2 to about 20,

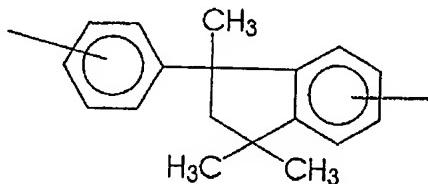


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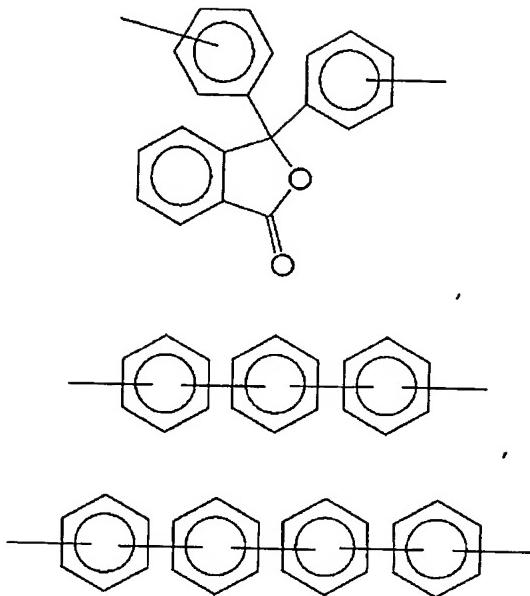
wherein u is an Integer of from 1 to about 20,



wherein w is an Integer of from 1 to about 20,



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or mixtures thereof, and n is an integer representing the number of repeating monomer units, said crosslinking or chain extension occurring through linking groups formed by a reaction between epoxy groups contained on at least some of the monomer repeat units of the precursor polymer and an amine curing agent.

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57. (Amended) A composition according to claim 16 wherein the value of n is such that the weight average molecular weight of the polymer prior to crosslinking or chain extension is from about 1,000 to about 100,000.

58. (Amended) A composition according to claim 16 wherein the value of n is such that the weight average molecular weight of the polymer prior to crosslinking or chain extension is from about 1,000 to about 65,000.

59. (Amended) A composition according to claim 16 wherein the value of n is such that the weight average molecular weight of the polymer prior to crosslinking or chain extension is from about 1,000 to about 40,000.

60. (Amended) A composition according to claim 16 wherein the value of n is such that the weight average molecular weight of the polymer prior to crosslinking or chain extension is from about 3,000 to about 25,000.

61. (Amended) A composition according to claim 16 wherein n is an integer of from about 2 to about 70.

62. (Amended) A composition according to claim 16 wherein n is an integer of from about 5 to about 70.

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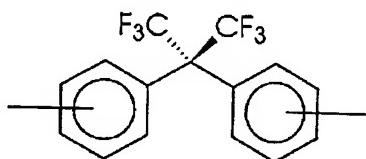
63. (Amended) A composition according to claim 16 wherein n is an integer of from about 8 to about 50.

64. (Amended) A composition according to claim 16 wherein the polymer has a degree of substitution of on average from about 0.5 to about 2 photosensitivity-imparting groups per monomer repeat unit.

65. (Amended) A composition according to claim 16 wherein the polymer has a degree of substitution of on average from about 0.5 to about 1.5 photosensitivity-imparting groups per monomer repeat unit.

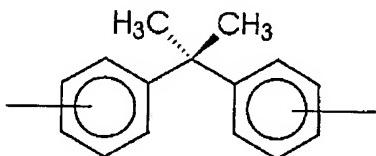
66. (Amended) A composition according to claim 16 wherein the polymer has a degree of substitution of from about 0.8 to about 1.3 milliequivalents of allyl ether or epoxy groups per gram of precursor polymer.

67. (Amended) A composition according to claim 33 wherein B is

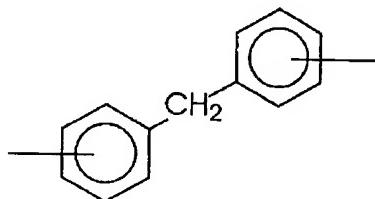


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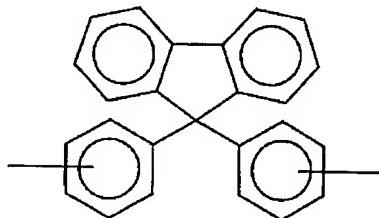
68. (Amended) A composition according to claim 33
wherein B is



69. (Amended) A composition according to claim 33
wherein B is

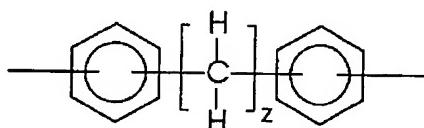


70. (Amended) A composition according to claim 33
wherein B is



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71. (Amended) A composition according to claim 33
wherein B is



wherein z is an integer of from 2 to about 20.